Journal of Fluid Mechanics Volume 487 **25 July 2003**

O. M. Faltinsen, O. F. Rognebakke & A. N. Timokha	Resonant three-dimensional nonlinear sloshing in a square-base basin	1
B. L. White & H. M. Nepf	Scalar transport in random cylinder arrays at moderate Reynolds number	43
A. Andersen, B. Lautrup & T. Bohr	An averaging method for nonlinear laminar Ekman layers	81
Y. Ponty, A. D. Gilbert & A. M. Soward	The onset of thermal convection in Ekman–Couette shear flow with oblique rotation	91
B. Federici & G. Seminara	On the convective nature of bar instability	125
M. M. J. Decré & J.-C. Baret	Gravity-driven flows of viscous liquids over two-dimensional topographies	147
L. Duchemin, J. Eggers & C. Josserand	Inviscid coalescence of drops	167
M. Matalon, C. Cui & J. K. Bechtold	Hydrodynamic theory of premixed flames: effects of stoichiometry, variable transport coefficients and arbitrary reaction orders	179
M. S. Howe, M. Iida, T. Fukuda & T. Maeda	Aeroacoustics of a tunnel-entrance hood with a rectangular window	211
R. A. Antonia, R. J. Smalley, T. Zhou, F. Anselmet & L. Danaila	Similarity of energy structure functions in decaying homogeneous isotropic turbulence	245
V. Theofilis, A. Fedorov, D. Obrist & U. Ch. Dallmann	The extended Görtler–Hämmerlin model for linear instability of three-dimensional incompressible swept attachment-line boundary layer flow	271
B. Pier	Finite-amplitude crossflow vortices, secondary instability and transition in the rotating-disk boundary layer	315
W. L. Peirson, A. W. Garcia & S. E. Pells	Water wave attenuation due to opposing wind	345
A. J. Youd, A. P. Willis & C. F. Barenghi	Reversing and non-reversing modulated Taylor–Couette flow	367
BOOK REVIEW		
Stability and Transition in Shear Flows, by P. J. Schmid & D. S. Henningson		377
INDEX TO VOLUME 487		

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200307)487;1-L